

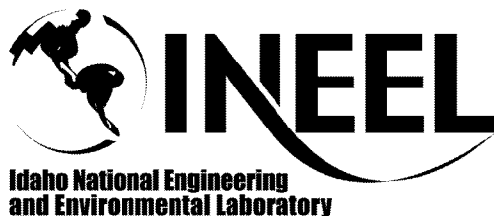
Procurement Specification

PROJECT FILE NO. 020996

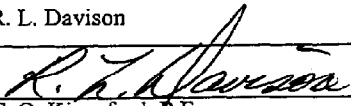
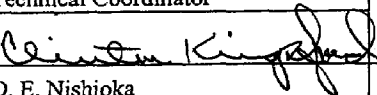
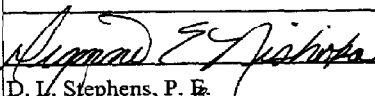
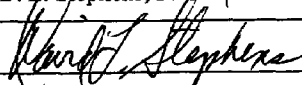
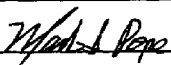
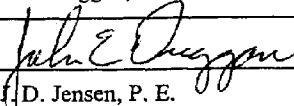
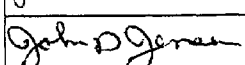
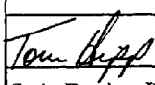

Staging, Storage, Sizing and Treatment Facility

CPP 1689 Administrative Office Trailer (AOT)

Prepared for:
U.S. Department of Energy
Idaho Operations Office
Idaho Falls, Idaho



Form 412.14
07/24/2001
Rev. 03

Document Type: <u>Procurement Specification</u>		Document Identifier: <u>SPC-1484</u>		
Title: <u>CPP 1689 Administrative Office Trailer (AOT)</u>		Project No. (if applicable): <u>020996</u>		
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Document Identifier: SPC-1484

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REVIEW CONCURRENCE AND APPROVAL SIGNATURES
Denote R for review concurrence, A for approval, as appropriate.

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Specification	CPP-1689 ADMINISTRATIVE OFFICE TRAILER	Identifier: SPC-1484
Procurement		Revision: 0
Document Control Center: (208) 526-1202	Document Owner: Staff Project Manager, Project Management, Er	Page: i of ii
		Effective Date: 03/11/02

Change Number: NA

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1.0 SCOPE

1.1 General

This specification details the requirements for a temporary, relocatable office space for the Staging, Storage, Sizing and Treatment Facility (SSSTF), hereinafter referred to as the Administrative Office Trailer (AOT). This trailer will house a conference/lunchroom area with kitchenette, office space, data tracking technician office, toilet rooms and janitor closet. The Subcontractor will be responsible for the design and manufacture, delivery and setup of the temporary office building unit.

The portable building unit shall be transported to the Idaho Nuclear Technology and Engineering Center (INTEC) at the Idaho National Engineering and Environmental Laboratory (INEEL) approximately 50 miles west of Idaho Falls. The Contractor will install the office equipment, computer systems, perform equipment integration and complete testing before final transfer.

1.2 Work Included

The Subcontractor shall design, manufacture, deliver and set up the AOT in accordance with the applicable drawings, data sheets, and this specification. The work shall include, but is not limited to: design, construction, delivery, setup, blocking, leveling, tie-downs, install the ramps, steps, canopies, and skirting of the 28' x 70' portable building unit(s) and associated appurtenances. The Subcontractor shall furnish all labor, materials, equipment and services necessary to complete the work indicated on the sketches and in the specification. The Subcontractor shall procure the trailer and coordinate the construction and installation of the trailer in accordance with this specification. This specification provides the technical requirements for the AOT.

The Subcontractor shall construct the utilities and foundations for the AOT in accordance with these plans, specifications and the approved shop drawings.

1.3 Work Not Included

Installation of foundation piers shall be provided by the Subcontractor. Final connection to utilities, upon setup of AOT, will be by the Subcontractor.

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1.4 Definitions

As used herein, the following terms are defined:

- Contractor: Bechtel BWXT Idaho, LLC (BBWI) at the INEEL
- Subcontractor: The business entity under contract with Bechtel BWXT Idaho, L.L.C. (BBWI).

2.0 QUALIFICATIONS

The Subcontractor shall furnish a trailer manufactured to comply with all U.S. federal regulations applicable to manufactured housing, including the Federal Highway Administration Department of Transportation (DOT) standards and the Federal Motor Carrier Safety Regulations (FMCSR). The Subcontractor's trailer manufacturer shall be experienced in the design and fabrication of transportable, manufactured homes and buildings.

3.0 APPLICABLE CODES, STANDARDS AND REFERENCES

The AOT shall be designed and manufactured in accordance with the codes and standards listed below. All codes and standards referenced, refer to the latest published revision on the date of the request for proposal. In the event of any inconsistency between codes, standards, and this specification, the inconsistency shall be resolved by giving precedence as follows: (a) codes, (b) standards, and (c) specification. The Subcontractor shall refer any conflicts promptly in writing to the Contractor using the Subcontractor Field Problem form.

3.1 National Codes

- AISI Cold Formed Design Specification for Structural Steel Members
- ANSI A117.1 Providing Accessibility and Usability for Physically Handicapped People
- ASCE 7-98 Minimum Design Loads for Buildings and Other Structures
- ASTM A572/A572M Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
- ASTM C955 Standard Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases

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- ASTM C645 Standard Specification for Nonstructural Steel Framing Members
- ASTM E152 Standard Method of Fire Tests of Door Assemblies
- ASHRAE Guide for HVAC Ducts
- AWS D1.1 Structural Steel Welding
- CFR United States Code of Federal Regulations
- NFPA National Fire Protection Association
- NFPA 10 Portable Fire Extinguishers
- NFPA 70 National Electrical Code (NEC)
- NFPA 72 National Fire Alarm Code
- NFPA 80 Standard for Fire Doors and Windows
- NFPA 101 Life Safety Code
- NFPA 780 Lightning Protection Code
- OSHA Occupational Safety and Health Administration
- UBC Uniform Building Code
- UFC Uniform Fire Code
- UPC Uniform Plumbing Code

3.2 Industry Standards

- ISDSI 102 Installation Standard for Insulated Steel Door Systems
- SDI 100 Standard Steel Doors and Frames
- SDI 108 Selection and Usage Guide for Standard Steel Doors

4.0 SUBMITTALS

The Subcontractor shall submit all data required by this specification to the Contractor for review and approval as required.

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4.1 Setup Instructions

The Subcontractor shall submit drawings and other documents, as required, to clearly identify rigging loads, pick points, and general setup instructions for the AOT.

4.2 Product Data

The Subcontractor shall submit manufacturer's technical data for procured components that are installed in the AOT, including doors, windows, lights, HVAC, and major hardware components. The product data sheets shall identify dimensions, weights, capacities, ratings, and other interface information

4.3 Design Calculations

The Subcontractor shall submit detailed calculations for all aspects of structural design for Contractor review and approval prior to the start of fabrication. Calculations shall include welding details of AOT structural framing to embedded anchor plates to prevent uplift due to wind and/or seismic load as defined in Section 5.2.1. Calculations shall be stamped by a registered professional engineer licensed to practice Civil or Structural engineering in the State of Idaho

4.4 Spare Parts and Special Tools List

The Subcontractor shall submit a recommended list of spare parts and special tools required for maintenance and setup of the AOT.

4.5 Operating and Maintenance Manuals

The Subcontractor shall submit a data package including the Operating and Maintenance Manuals for the AOT and equipment contained within the AOT such as the central HVAC system. The Subcontractor shall include a recommended maintenance schedule for items requiring periodic servicing.

4.6 Drawings

The Subcontractor shall submit a complete set of detailed drawings for the AOT including structural, mechanical and electrical drawings. Drawings shall also include a foundation layout based on subcontract drawings. All drawings shall be reviewed and approved by the Contractor prior to fabrication. Unless otherwise specified, the drawings shall be on standard 22 X 34-inch (D-size) sheets. Submit drawings in AutoCAD 2000 format, indicating critical dimensions, weights, required clearances, components, and location/size of each field connection, including water, electrical and plumbing.

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5.0 DESIGN

5.1 General Design Requirements

The office building shall comply with the design requirements for the following occupancy classifications:

Group B, Type II-N Construction, as defined by the Uniform Building Code, 1997 edition

New Business Occupancy, as defined by the NFPA 101

5.2 Structural Requirements

5.2.1 Structural Design Loads

Structural design shall support the following minimum loads. Combinations of these loads shall conform to ASCE 7.

- Dead and Live: per ASCE 7
- Snow: 30 psf minimum roof load
- Wind: per ASCE 7, 90 mph 3-second gust speed, Exposure C.
- Seismic: per UBC-97, Seismic Zone 2B, Soil Profile S D, I = 1.0

5.3 Construction Details

The AOT shall, as a minimum, be designed and manufactured to comply with the criteria listed below. Refer to Appendix A for detailed AOT drawings for location of equipment and hardware.

Overall outside dimensions of AOT excluding hitches:

(2) ea. 14'-0" x 70'-0" = 28'-0" x 70'-0"

FRAME TYPE:	Perimeter Frame (Basement type for duct system)
I-Beam:	12" Beam ASTM A572, Grade 50 Steel or Equal
Crossmember:	C-Channel 48" O.C. ASTM A-36 Steel
Paint:	Minimum 3 mil black asphalt
Axles:	75 ½" (6,000 lb.) brake
Hitch:	Detachable w/2-5/16" coupler/elevating jack
Tires:	New, 10 ply

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FLOORS:

Joists: Minimum of 2" X 8" @ 16" OC per AISI Cold Formed Design Specification for Structural steel Members

Floor Load: 50 lbs. per square foot uniform load, 300-lb point load

Bottom Board: 18 gauge galvanized sheet metal or other suitable non-combustible material

Insulation: R-19 batt insulation

Floor Decking: 3/4" tongue and groove sealed edge plywood

Underlayment: Provide 1/4" underlayment where Congoleum is applied

Floor Coverings: 20-oz commercial carpet/Class 1 (conference room and office areas), Congoleum #9092 or equivalent (NWBS STD) (data room, toilet rooms, and hallway between the data and toilet rooms, janitor storage, mechanical and electrical/communications room). Subcontractor shall provide samples to be approved by Contractor before installation

EXTERIOR WALLS:

Framing: Minimum of 2" X 4" metal studs per ASTM C955 @ 16" OC

Wall Height: 8'-0"

Insulation: R-19 with vapor barrier, flame-spread rating < 24 and fuel contributions/smoke development <50.

Sheathing: N/A

Exterior Siding: 24 gauge Hi-Rib Siding w 3/8" OSB

Color: TBD – Subcontractor shall provide samples to be approved by Buyer

Exterior Trim: 26 GA. aluminum baked enamel finish

Color: TBD – Subcontractor shall provide samples to be approved by Buyer

EXTERIOR WINDOW:

Qty: (7) ea. 3030 operable windows and (2) ea. 6030 by-pass windows. Reference Floor Plan

Size: 36" X 36" and 72" X 36". Reference Floor Plan

Type: Mill Finish Aluminum frame with double pane glass

Blinds: Provide "mini blinds" with 1-in. slats, stick operator controlling slat tilt and pull cord raising blind opposite side, i. e., "Riviera" by Levelor

EXTERIOR DOORS:

Qty: Reference Floor Plan

Size: 36" X 80" steel door with Hollow Metal (H.M.) frame, 10" window mounted in door

Hardware: Lever handle with keyed locks and deadbolts, weatherstrip sealed. All exterior doors shall be 1-hr fire rated per NFPA 80 and shall have been tested, listed, and labeled in accordance with ASTM E 152 by a

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nationally recognized independent testing and inspection agency. Doors shall be provided with automatic closure devices. These devices shall not be electrically powered. The locks must be capable of accepting and operating with 7-pin Best Universal Lock Co. No. 1E74 cylinder 1EC4 cam, which will be furnished and installed by the Buyer.

ROOF:

Rafter: Low Pitch Gable @ 16" O.C. at 30 lb. live load, minimum 1:12 slope, see section 5.2.1

Insulation: R-38 with vapor barrier, flame-spread rating < 24 and fuel contributions/smoke development <50

Sheathing: 3/8" fire-retardant, structure wood

Roofing: 24-gauge sheet metal, galvanized

Miscellaneous: Vents and tie downs per code

INTERIOR WALLS:

Framing: Minimum of 2" X 4" metal studs per ASTM C645 @ 16" O.C.

Covering: 1/2" Vinyl covered gypsum. (Class 1 F.S.)

Color: Standard off-white/bone finish

INTERIOR CEILING: The AOT ceilings shall be UL listed gypsum or acoustical tile having a flame spread rating of 25 or less and smoke developed rating of 50 or less.

T-grid suspended ceiling

Acoustical Tiles: 2' X 2'

Color: Standard office white

INTERIOR DOORS:

Qty: Reference Floor Plan

Size: 36" X 80" prefinished sound-insulated door at conference room, office, toilet rooms

36" X 80" prefinished hollow core for all other rooms not specifically addressed

Hardware: Lever type passage hardware

INTERIOR MILLWORK:

Location: Conference Room kitchenette area

Data Room

(2) Toilet Rooms

Cabinets: High pressure plastic laminate, 0.020 in. thick, all exposed surfaces, wood grain at all base cabinets

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Countertops: High-pressure plastic laminate, 1/16" thick. Countertops
w/particleboard core

Hardware: Standard cabinet hinges, drawer slides, pulls and locks

INTERIOR TRIM

Base: 4" vinyl cove base

Miscellaneous: Standard wood-grain profiles

Vinyl wrapped battens

STEPS:

Qty: Provide 2 sets of steps with landings, ramp and railing as shown on floor plan layout. Fabrication design shall conform with the latest edition of UBC and NFPA 101, Life Safety Code and ANSI A117.1 for the ramp.

Non-slip surface
Welded steel and aluminum construction
Meet OSHA safety parameters including handrails

CANOPIES:

Provide protection over exterior access landings as shown on drawings. Conform to structural requirements of Section 5.2. Canopy design shall include the impact of falling snow and ice, per the Uniform Building Code.

TIE DOWNS:

Anchor plates embedded in piers to secure AOT from wind loads defined in 5.2.1

SKIRTING:

Matching skirting around base of AOT

Framing: Minimum of 2"X 4" metal studs per ASTM C645@ 16" O.C.

Height: Approximately 3'-0" a.f.g.

Insulation: R-19 with vapor barrier, flame-spread rating < 24 and fuel contributions/smoke development <50.

Sheathing: 3/4" all weather, fire-retardant plywood

Exterior Siding: 24 gauge Hi-Rib Siding w 3/8" SOB

LETTERS:

Provide and install on site, building identification letters as shown on Drawings.

Material: 1/2 inch plate aluminum

Letter Style: Microgamma Bold

Letter Size: 24-in. high, 1/2 in. deep

Finish: Baked enamel finish with 5-year guarantee against cracking, peeling and discoloration

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Color: Black

Install per manufacturer's instructions using a concealed fastener method Letters shall project ½ in. from wall surface.

5.4 Electrical

The electrical systems in the AOT shall be in accordance with the following provisions:

Incoming Service: A 480Y/277 Volt, 3 Phase, 4 Wire, 60 Hz electrical service is available in the vicinity of the AOT location. The total demand for the administrative trailer shall not exceed 50 amperes per phase. The Trailer shall be supplied with a service junction box on the outside for a single point connection of the incoming service. The junction box shall be located on the east end of the building on the outside wall of the electrical room.

Interior Lighting: General interior lighting shall be provided by 2' X 4" recessed fluorescent fixtures. The fixtures shall be equipped with high efficiency electronic ballasts and 32 watt high efficiency, low mercury, fluorescent lamps. The lamps shall be designed to pass the Environmental Protection Agency's Toxicity Characterization Leaching Procedure (TCLP) requirements at end of life. Fixtures located in the cubicles and the office area shall be equipped with low glare diffusers suitable for use in areas where video display terminals are in use. At least one light in each hallway shall be unswitched and remain energized at all times. Lighting in the cubicle area shall be switched. The switches shall be close to the entrances to the cubicle area. Lighting in the conference room shall be switched to provide a minimum of three levels of illumination. Fixtures around the perimeter of the conference room shall be separately switched to facilitate slide/video presentations. Lighting in other rooms shall be controlled by one switch located at the entrance to the room. Illumination levels shall be as recommended by the Illuminating Engineering Society Handbook.

Exterior Lighting: Exterior lighting fixtures shall be located at each entrance. The fixtures shall be rated for exterior use, shall contain a 75-Watt High Pressure Sodium Lamp and shall be Dark Sky compliant. Each fixture shall be controlled by a Photoelectric Cell that is an integral part of the fixture.

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Emergency/Exit Lights: Emergency Lighting and Exit Lighting shall be provided in accordance with Sections 7.9 and 7.10 of NFPA 101, Life Safety Code, 2000 Edition. Emergency and Exit Lighting fixtures shall be self contained battery powered units.

Standard Receptacles: Receptacles shall be provided in accordance with standard industry practice for offices. Each office space shall be on an individual circuit. The receptacle on the east wall of the electrical/communications room shall be on an individual, dedicated circuit.

All standard single and duplex receptacles shall be specification grade, 20 Ampere, 125 Volts in a NEMA 5-20R configuration

GFCI Receptacles Ground Fault Circuit Interrupter (GFCI) type receptacles shall be installed in all locations required by the National Electrical Code. A GFCI circuit breaker shall be installed in the circuit breaker panel on the circuit feeding the required receptacles or individual GFCI type receptacles shall be installed at each location. Feed through wiring that allows the GFCI receptacle to provide GFCI protection for receptacles located downstream shall not be allowed. Where GFCI protection is provided by a circuit breaker, each receptacle shall be clearly labeled as being GFCI protected.

Labeling: All switches and receptacles shall be labeled to identify the source of power including the panel designation, circuit number and voltage if other than 120 volts. Labels shall be firmly attached to the covers. Labels shall be engraved material such as lamicon or equivalent.

Wiring: Common neutrals i.e. Edison type circuits shall not be allowed. Where a neutral conductor is required, a dedicated neutral conductor shall be provided for each phase conductor.

Code Compliance: The complete installation shall be in accordance with applicable sections of the National Electrical Code including Article 550 – Mobile Homes, Manufactured Homes, and Mobile Home Parks.

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Lightning Protection: A Lightning risk Assessment shall be performed in accordance with NFPA 780. If the risk value is determined to be “Moderate to Severe” or “Severe”, lightning protection in accordance with NFPA 780 shall be provided. Ground rods and final connection to the ground rods shall be the responsibility of the Buyer and approved by the Contractor. Down conductors with a minimum of 10 feet of slack will be provided by the trailer manufacturer.

Spare Conduits: Two ¾ in. spare conduits shall be provided from the 120 volt panel to a 6”x6”x4” NEMA-3R box located on the outside wall of the electrical room. This box shall be adjacent to the incoming service junction box.

Grounding: The grounding electrode system will be provided by the Buyer. The Buyer will provide the connection to the grounding electrode system from a point identified by the Supplier.

5.5 HVAC

The HVAC system shall comply with the requirements listed below:

The supply air system will be operating at a site near INTEC, approximately 50 miles west of Idaho Falls. The 97-1/2% ASHRAE data for this area shall be used for mechanical design purposes.

The HVAC system shall maintain the following conditions inside the AOT:

Summer temperature: 76°F

Winter temperature: 72°F

The Subcontractor shall take into account standard heating and cooling loads. In addition, one personal computer and laser jet printer per office shall be accounted for as well as a central copy machine.

The system shall be designed to allow individual control of the temperatures in the Conference/Lunchroom and each side of the facility shall be on separate zone controls.

All ductwork shall conform to Sheet Metal and Air Conditioning Contractor’s National Association (SMACNA) specifications and designs to minimize noise and pressure drop.

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Installation of the system shall conform to the manufacturer's recommendations, ASHRAE Standards and NFPA 90A and 90B.

5.6 Telephone and Data

Outlets: The Subcontractor shall install voice/data/data outlet boxes at locations indicated on drawings E-1. The Subcontractor shall install all components indicated on drawing E-2. The voice cable shall be white while the data cable shall be blue.

Equipment: The Subcontractor shall install all equipment in the communication room as indicated on drawing E-2.

All equipment shall comply with NEC Article 800 for telephone systems and service. All components shall be UL approved.

Testing: The Subcontractor shall inspect cables for physical damage and confirm continuity.

5.7 Fire Alarm

The Subcontractor shall provide the wiring, conduit, electrical back-boxes, electrical connections, etc to make a complete and operational system. The Subcontractor is responsible for supplying all of the fire alarm equipment including a Digital Alarm Communications Transmitter (DACT). The Subcontractor shall install the fire alarm system wiring, back boxes and equipment shown on the fire alarm drawing in Appendix A. The system shall be installed in accordance with NFPA 72. The wiring for initiation device circuits shall be Class B, Style B. The occupant notification device circuits shall be Class B, Style Y.

Provide and install one # 18 gauge supervised pair of conductors between the manual fire alarm stations located as shown and the fire alarm control panel. The manual fire alarm stations shall be mounted on a single gang-type outlet box.

Provide and install one # 14 gauge supervised pair of conductors between the audible/visual devices and the fire alarm control panel. The audible/visual devices shall be mounted on a 4 square back-box either located in the wall or in the suspended ceiling.

Install a ½ inch conduit with three pair of telephone conductors and one # 18 pair from the fire alarm control panel to the telephone backboard. The DACT will be connected and programmed by others.

5.8 Life Safety

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The AOT shall comply with federal fire protection related life safety and emergency planning requirements contained in 29 CFR 1910, Occupational Safety and Health Standards. NFPA 101 shall apply where 29 CFR 1910 does not apply or where NFPA 101 exceeds the requirements in the CFR. The life safety designs shall include provision for safe access and rapid movement of emergency equipment in accordance with applicable standards. Life safety provisions (access, emergency egress, emergency lighting, and smoke alarms) shall be provided in accordance with Life Safety Code NFPA 101 as a minimum.

5.9 Plumbing

Plumbing includes water supply and sewage piping for potable water, drains, waste piping and vent piping. Also included are plumbing fixtures, pipe supports and other accessories as needed to provide a complete plumbing system. All piping shall be installed within the AOT insulation envelope to prevent freezing. The potable water line shall be provided with an easily accessible main shut-off valve along with a heat tape system or equivalent to keep the line from freezing. Plumbing systems shall comply with the Uniform Plumbing Code and shall be selected based on the best combination of performance, cost and maintenance.

PLUMBING

Supply Lines	Copper manifold to through-floor inlet
Wastelines	PVC-DWV-SCH 40 waste and vent lines
Water Heater	6-gallon electric/switched
Toilet	Qty: (2) ea., 1.6 gal flush china bowl and tank
Lavatory	Cabinet with sink and faucet, one each toilet room
Sink	Cabinet, counter top w/sink in Conference Room
Mop Sink	Locate a floor mop sink in Janitor Storage Room
Accessories	Per each toilet room
	Toilet paper holder
	Wall Hung mirror
	Paper towel and soap dispenser
	Handicap grab bars
	Coat hooks
	Toilet seat cover dispenser
	Waste receptacle
	Sanitary napkin dispenser in Women's Toilet Room
	Sanitary napkin disposal in Women's Toilet Room

6.0 MANUFACTURING/ASSEMBLY

6.1 General

Specification	CPP-1689	Identifier:	SPC-1484
Procurement	ADMINISTRATIVE OFFICE TRAILER	Revision:	0
		Page:	14 of 16

The AOT shall be fabricated using commercial assembly techniques, materials, and procedures typically used at the manufacturing plant performing the construction and assembly.

6.2 Materials, Products and Equipment

Materials, products and equipment shall be new and installed in accordance with manufacturer's current published recommendations, the contract drawings, and these specifications. Items used in quantity, such as valves and hardware shall in each case be the product of one Supplier and shall be used only for the services recommended by the manufacturer.

7.0 QUALITY ASSURANCE

7.1 Supplier Qualifications

The AOT shall be designed and fabricated by a trailer manufacturer that is qualified and regularly engaged in the design and fabrication of mobile office trailer and classrooms. Provide proof of experience, minimum five years, as a manufacturer with a successful record of in-service performance in the fabrication and setup of these structures and with the quality indicated. The trailer manufacturer shall maintain a shop and facilities for fabrication of such structures.

7.2 Inspections and Hold Points

Witness and hold points are specific points in the activity requiring witnessing and/or surveillance by the Subcontractor and Contractor. Activities shall not proceed past a hold point without witness and/or surveillance by the Subcontractor and Contractor unless specifically waived in writing by the Contractor. (Witness and hold points, if necessary, will be identified to the Subcontractor during the initial phase of work.)

7.3 Deficiencies

The Subcontractor shall resolve all deficiencies, i.e. non-conformances as noted, to the Contractor's satisfaction. The Contractor's concurrence with "use-as-is" or "repair" disposition of any nonconformance must be obtained. Such concurrence will not be unreasonably withheld. The terms "use-as-is," "repair," and "rework" are defined as:

- "Use-as-is" is a disposition permitted for a nonconforming item when it can be established that the item is satisfactory for its intended use.
- "Repair" is the process of restoring a nonconforming characteristic to a condition such that the capability of an item to function reliably and safely is unimpaired, even though that item still does not conform to the original requirements.

Specification	CPP-1689	Identifier:	SPC-1484
Procurement	ADMINISTRATIVE OFFICE	Revision:	0
	TRAILER	Page:	15 of 16

- “Rework” is the process by which an item is made to conform to original requirements by completion or correction.

8.0 PACKAGING AND SHIPPING

8.1 Packing and Packaging

Prior to shipping, the Subcontractor shall protect openings in casings, housings and enclosures with plywood. The Subcontractor shall protect pipe flanges with plywood secured with a minimum of four bolts and protect pipe threads with plastic end caps or plugs. The seal closure caps and plugs shall provide a water and dust tight seal. Temporarily seal all open conduit connections, open wiring, and conductors.

8.2 Marking and Handling

With the equipment shipping documents, the Subcontractor shall provide complete identification and location of temporary material contained within the equipment for shipment, handling or storage, which must be removed prior to commissioning, including shipping blocks, desiccant bags, components shipped inside larger sections, and provide instructions for removal, as required. An identification tag shall be mounted on the external surface of the trailer indicating date of manufacture, manufacturer’s address, and purchase order number.

The Subcontractor shall provide written recommendations for field storage, transportation and handling of the AOT.

8.3 Special Transportation Requirements

The Subcontractor shall make arrangements and obtain permits for transporting the AOT from the trailer manufacturer’s fabrication facility to the INEEL Site approximately 50 miles west of Idaho Falls, ID. The Subcontractor shall be responsible for protecting and transporting the AOT to the Contractor’s facility at the INEEL.

The Subcontractor shall be responsible for dimensional stability and overall integrity of the equipment during shipment. Any special lifting, rigging, or setting procedures shall be provided with the equipment. The center of gravity shall be clearly marked on the equipment for hoisting and rigging purposes.

The Contractor shall retain the transportation axles, wheels, and tires.

Specification	CPP-1689 ADMINISTRATIVE OFFICE TRAILER	Identifier:	SPC-1484
Procurement		Revision:	0
		Page:	16 of 16

8.4 Delivery

Prior to shipment, at the discretion of the Contractor, the Contractor may inspect the AOT for conformance to this purchase specification. The inspection will take place at the trailer manufacturer's facility. The Subcontractor shall not ship the trailer to the INEEL until receiving written authorization from the Contractor.

Specification	CPP-1689 ADMINISTRATIVE OFFICE TRAILER	Identifier:	SPC-1484
Procurement		Revision:	0
		Page:	1 of 9

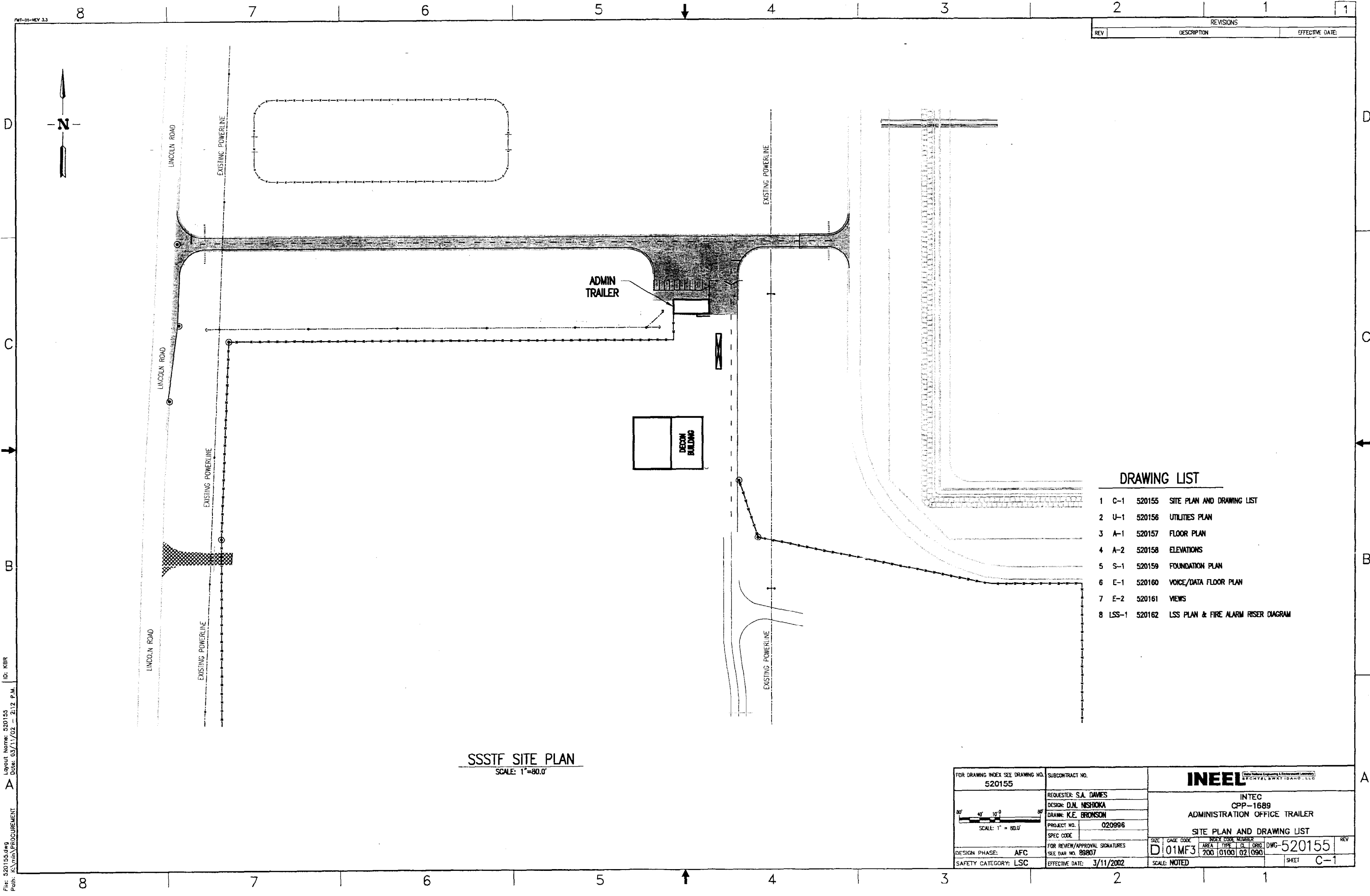
Appendix A

DRAWING LIST

DRAWING NUMBER

TITLE

C-1	Site Plan and Drawing List
U-1	Utilities Plan (For Information Only)
A-1	Floor Plan
A-2	Elevations
S-1	Foundation Plan
E-1	Voice/Data Data Outlet Floor Plan
E-2	Views
LSS-1	Life Safety Systems Plan and Fire Alarm Riser Diagram



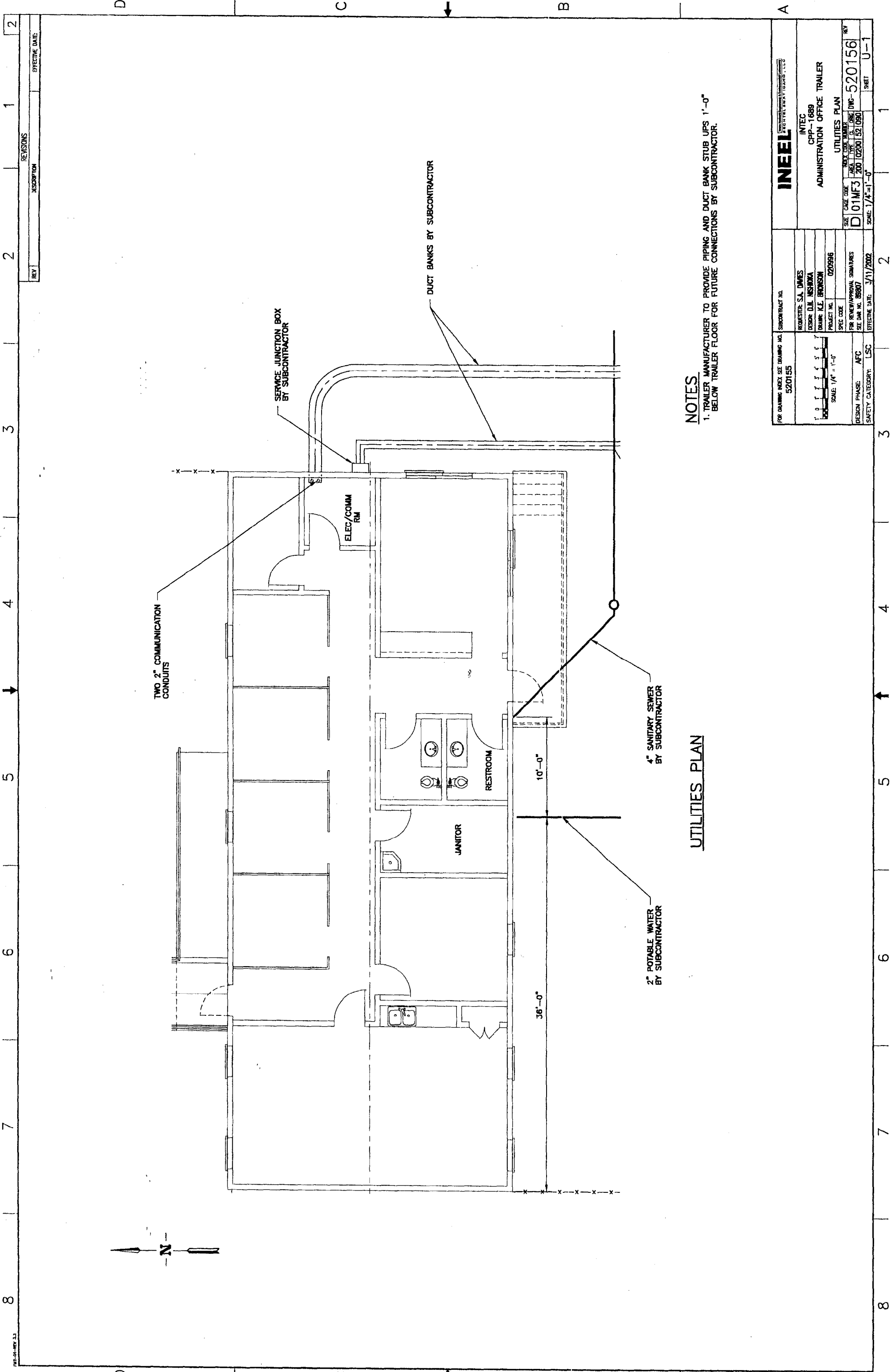
REVISIONS		
REV	DESCRIPTION	EFFECTIVE DATE

DRAWING LIST			
1	C-1	520155	SITE PLAN AND DRAWING LIST
2	U-1	520156	UTILITIES PLAN
3	A-1	520157	FLOOR PLAN
4	A-2	520158	ELEVATIONS
5	S-1	520159	FOUNDATION PLAN
6	E-1	520160	VOICE/DATA FLOOR PLAN
7	E-2	520161	VIEWS
8	LSS-1	520162	LSS PLAN & FIRE ALARM RISER DIAGRAM

SSSTF SITE PLAN
SCALE: 1"=80.0'

FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INEEL <small>(Civil/Structural Engineering & Environmental Laboratory) 8700 TELLEPORT ROAD, LLC</small>	
REQUESTER: S.A. DAVIES		DESIGN: D.M. NISHIOKA		INTEC CPP-1689	
DRAWN: K.E. BRONSON		PROJECT NO. 020996		ADMINISTRATION OFFICE TRAILER	
SPEC CODE		FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 89807		SITE PLAN AND DRAWING LIST	
DESIGN PHASE: AFC		EFFECTIVE DATE: 3/11/2002		DWG-520155	
SAFETY CATEGORY: LSC		SCALE: NOTED		SHEET C-1	

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Layout Name: 520155
Date: 03/11/02 - 2:12 P.M.

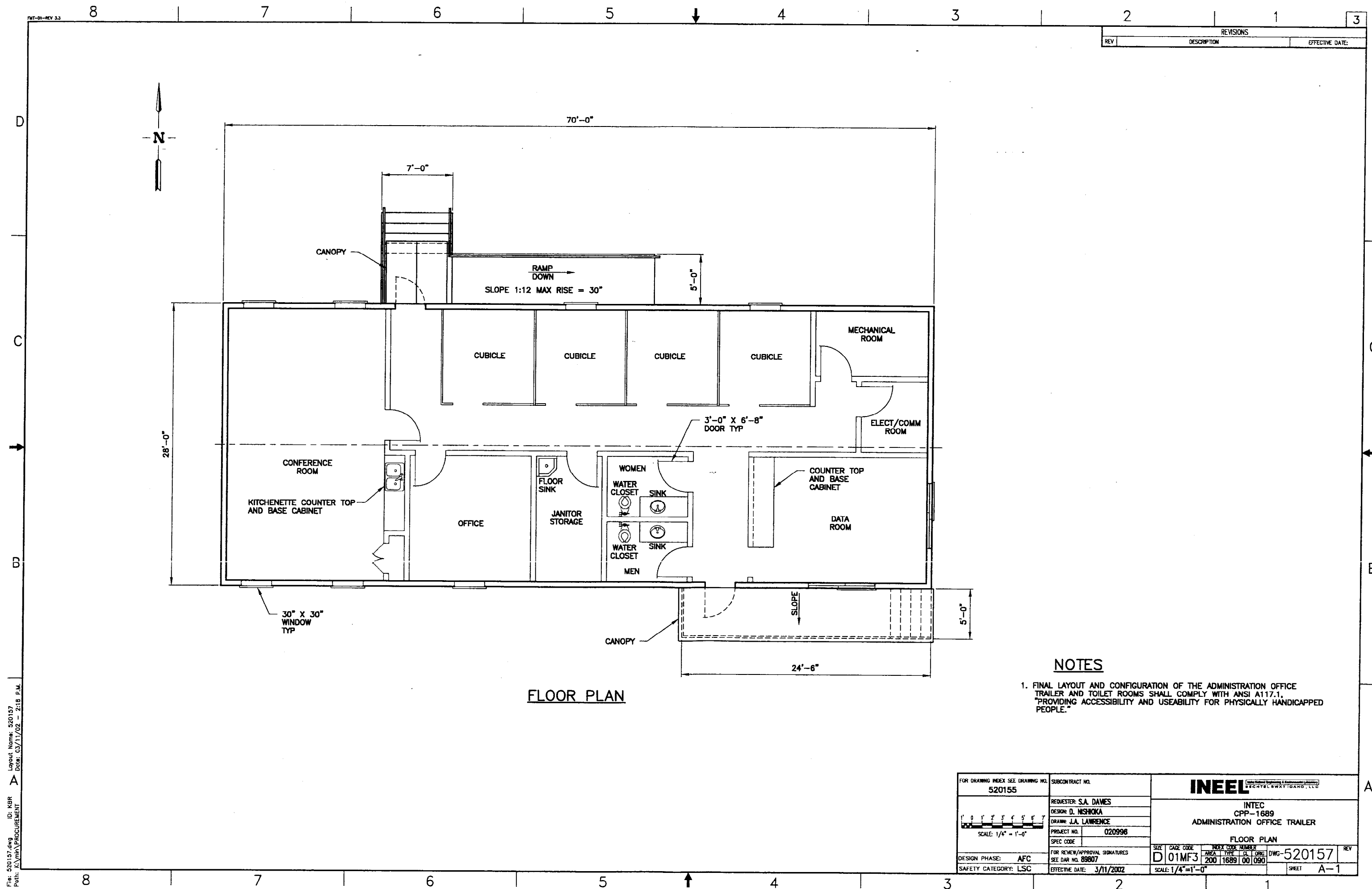


UTILITIES PLAN

NOTES

- 1. TRAILER MANUFACTURER TO PROVIDE PIPING AND DUCT BANK STUB UPS 1'-0" BELOW TRAILER FLOOR FOR FUTURE CONNECTIONS BY SUBCONTRACTOR.

FOR DRAWING INDEX SEE DRAWING NO. SUBCONTRACT NO.		520155	520156
REGISTER: S.A. DIMES		INTEC	INEEL
DESIGN: D.L. NISHIMA		CPP-1689	
DRAWN: K.E. JOHNSON		ADMINISTRATION OFFICE TRAILER	
PROJECT NO. 020996		UTILITIES PLAN	
SPEC CODE			
FOR REVIEW/APPROVAL SIGNATURES			
SEE DRAWING NO. 520156			
DESIGN PHASE: AFC			
SAFETY CATEGORY: LSC			
EFFECTIVE DATE: 3/11/2002			
SCALE: 1/4" = 1'-0"			
SIZE: D 01MF3			
SHEET NO. 520156			
SHEET U-1			



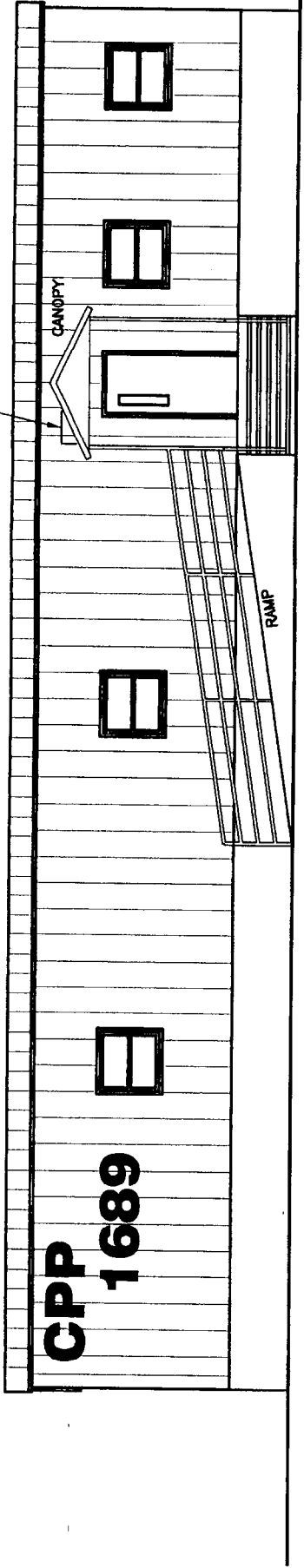
FLOOR PLAN

NOTES

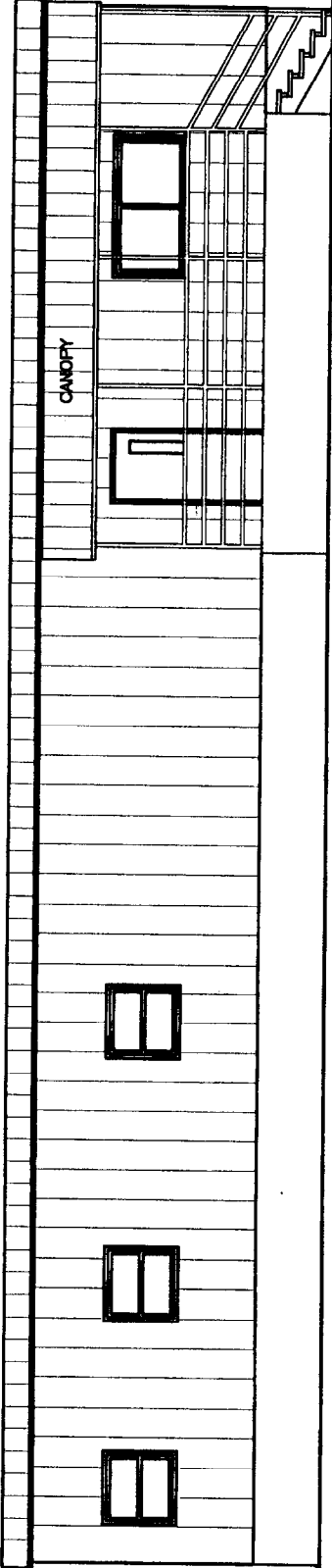
- 1. FINAL LAYOUT AND CONFIGURATION OF THE ADMINISTRATION OFFICE TRAILER AND TOILET ROOMS SHALL COMPLY WITH ANSI A117.1, "PROVIDING ACCESSIBILITY AND USEABILITY FOR PHYSICALLY HANDICAPPED PEOPLE."

File: 520157.dwg ID: KBR Layout Name: 520157 Date: 03/11/02 - 2:18 P.M. Path: K:\DATA\PROCUREMENT

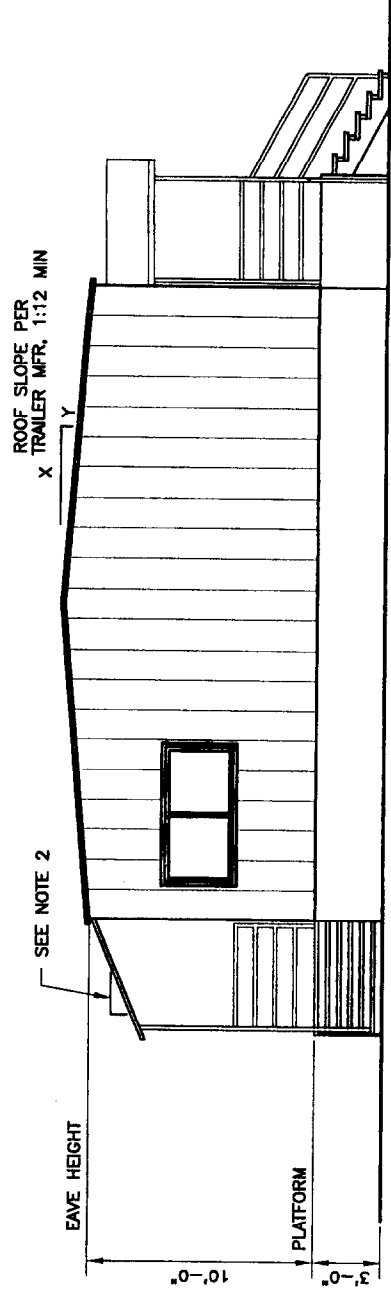
FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INEEL (Inertial Engineering & Environmental Laboratory) DEPARTMENT OF ENERGY	
DESIGNER: S.A. DAVIES		REQUESTER: S.A. DAVIES		INTEC CPP-1689 ADMINISTRATION OFFICE TRAILER FLOOR PLAN	
DESIGNER: D. NISHIOKA		DRAWN: J.A. LAWRENCE			
PROJECT NO. 020998		SPEC CODE			
FOR REVIEW/APPROVAL SIGNATURES		SEE DAR NO. 89807			
DESIGN PHASE: AFC		EFFECTIVE DATE: 3/11/2002		SCALE: 1/4"=1'-0"	
SAFETY CATEGORY: LSC				SHEET A-1	



NORTH ELEVATION



SOUTH ELEVATION



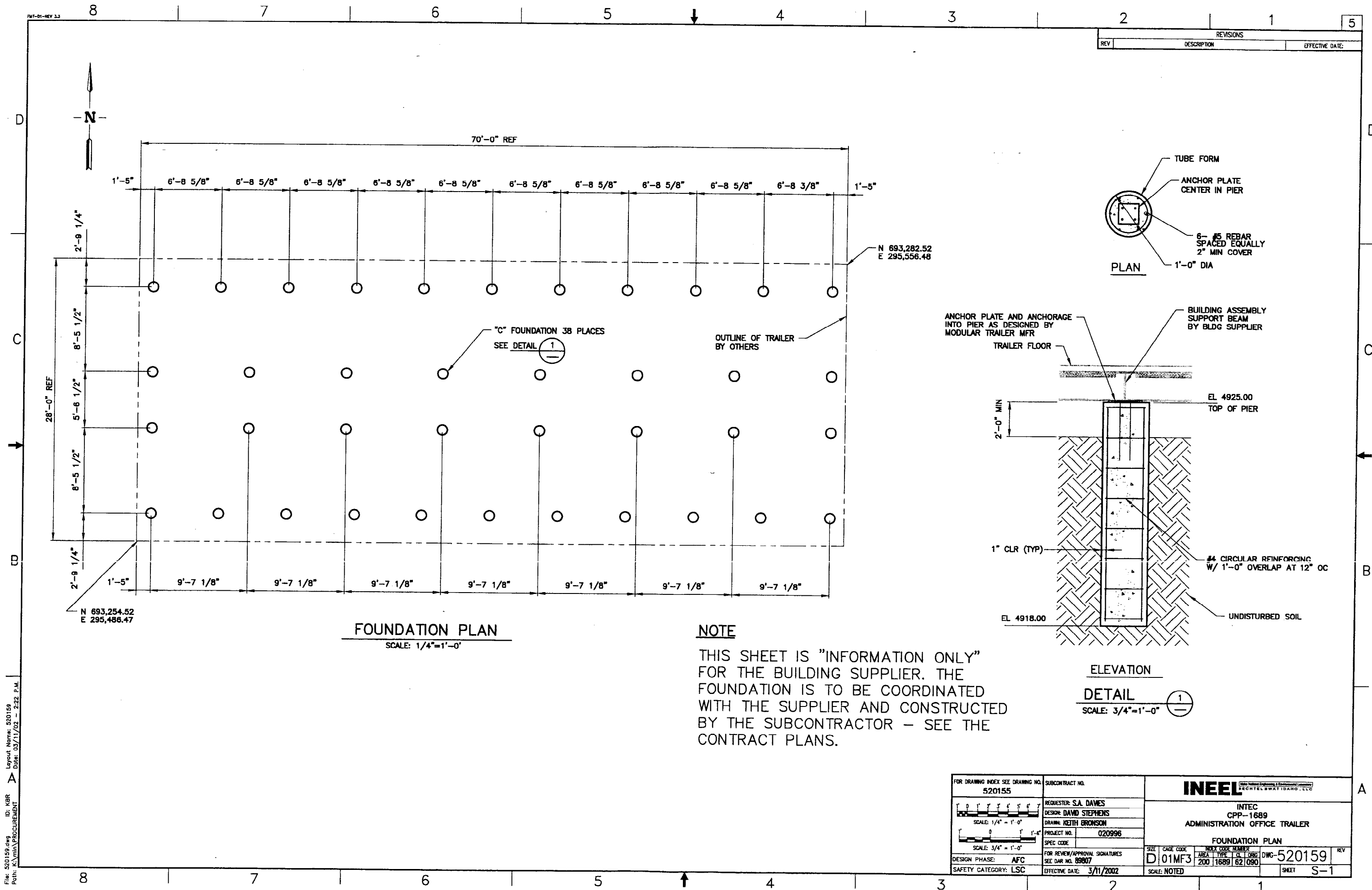
EAST ELEVATION

NOTES

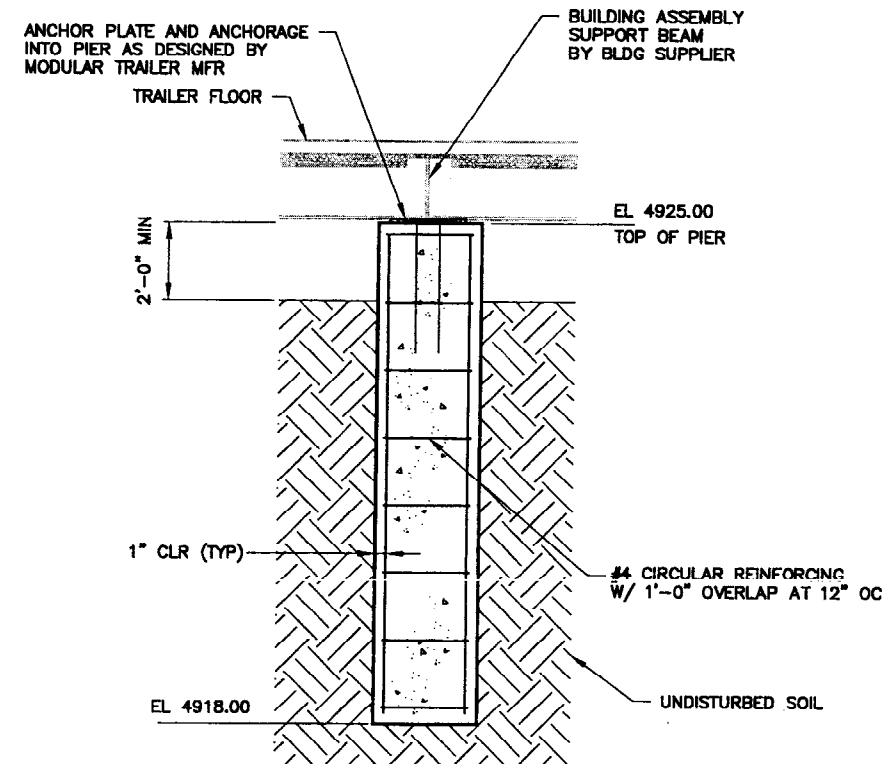
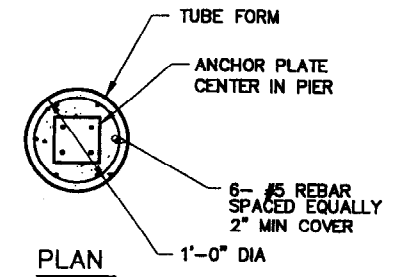
1. PROVIDE AND INSTALL 2'-0" HIGH X 1/2" THICK PLATE ALUMINUM IN BLACK MICROGAMMA BOLD STYLE LETTERS IDENTIFYING CPP-1689 AS SHOWN ON THE DRAWING. LETTERS SHALL PROJECT 1 1/2" FROM WALL. INSTALL USING THREADED STUDS, NUTS, AND ALUMINUM TUBE SPACERS. ANDCO INDUSTRIES CORPORATION OR APPROVED EQUAL
2. ROOF SLOPE PER TRAILER MANUFACTURER.

REV	DESCRIPTION	EFFECTIVE DATE
-----	-------------	----------------

FOR DRAWING INDEX SEE DRAWING NO. 520155	SUBCONTRACT NO.	REQUESTER: SA DAMES	INTEC	INEEL
1 2 3 4 5 6 7	DESIGN: D.J. MSHOMA	DESIGN: D.J. MSHOMA	CPP-1689	
SCALE: 1/4" = 1'-0"	DRAWN: K.E. BRUNSON	DRAWN: K.E. BRUNSON	ADMINISTRATION OFFICE TRAILER	
	PROJECT NO. 020996	PROJECT NO. 020996	ELEVATIONS	
	SPEC CODE	SPEC CODE		
	FOR REVIEW/REVISION SIGNATURES	FOR REVIEW/REVISION SIGNATURES		
DESIGN PHASE: AFC	SEE DAY NO. 08007	SEE DAY NO. 08007		
SAFETY CATEGORY: LSC	EFFECTIVE DATE: 3/11/2002	EFFECTIVE DATE: 3/11/2002		
			AREA TYPE CL CODE	REV
			D 01MF3 200 1689 001090	WIC-520158
			SCALE: 1/4" = 1'-0"	SHEET A-2


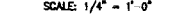


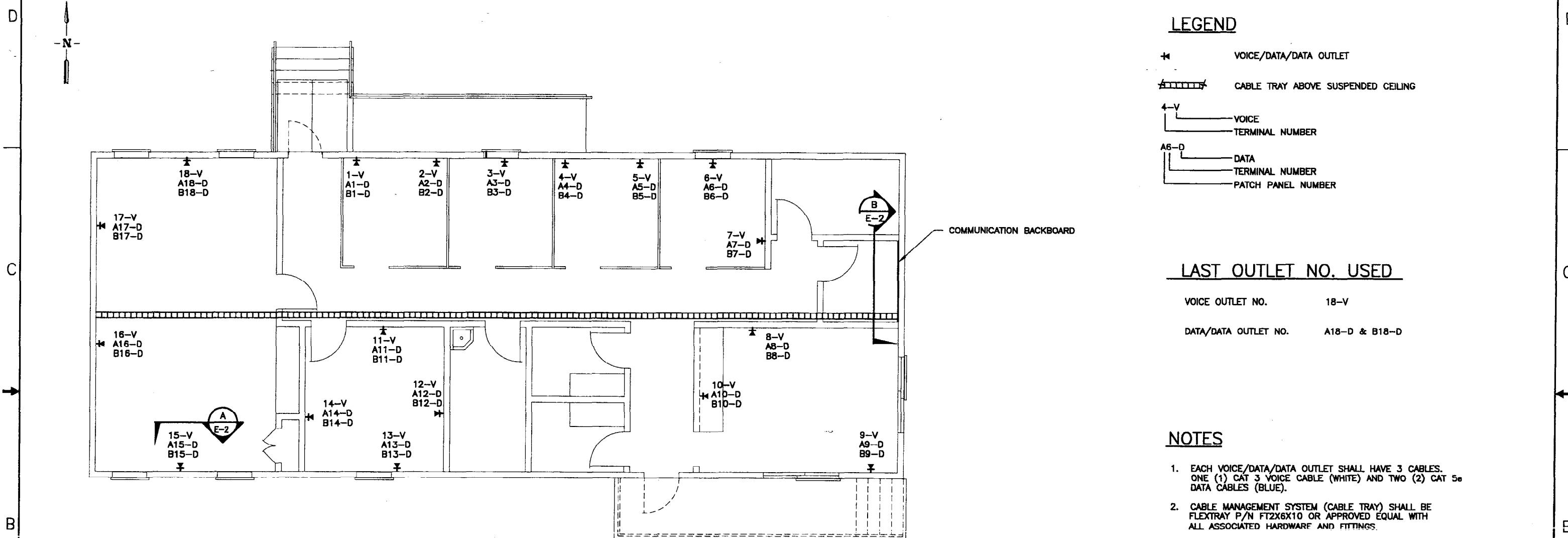
REVISIONS		
REV	DESCRIPTION	EFFECTIVE DATE



NOTE

THIS SHEET IS "INFORMATION ONLY" FOR THE BUILDING SUPPLIER. THE FOUNDATION IS TO BE COORDINATED WITH THE SUPPLIER AND CONSTRUCTED BY THE SUBCONTRACTOR - SEE THE CONTRACT PLANS.

FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INEEL <small>INTEC CPP-1689 ADMINISTRATION OFFICE TRAILER</small> <small>INEEL Engineering & Environmental Laboratory RECHTEL BWXT/DARG, LLC</small>			
 SCALE: 1/4" = 1'-0"		REQUESTER: S.A. DAVIES DESIGN: DAVID STEPHENS DRAWN: KETH BRONSON					
 SCALE: 3/4" = 1'-0"		PROJECT NO. 020996		FOUNDATION PLAN			
DESIGN PHASE: AFC		SPEC CODE					
SAFETY CATEGORY: LSC		FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 89807		SIZE	CAGE CODE	INDEX CODE NUMBER	REV
		EFFECTIVE DATE: 3/11/2002		D	01MF3	AREA TYPE CL ORG 200 1689 62 090	DWG-520159 SHEET S-1



VOICE/DATA FLOOR PLAN

File: 520160.dwg ID: KBR Drawn in Model Space Date: 03/11/02 - 2:25 P.M. Path: K:\proj\PROCUREMENT

FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INTEC	
1 0 1 2 3 4 5 6 7		REQUESTER: S.A. DAVES		INTEC	
SCALE: 1/4" = 1'-0"		DESIGNER: T. HIPP		CPP-1689	
DESIGN PHASE: AFC		DRAWN: N.L. ROHRBAUGH/R. WATSON		ADMINISTRATION OFFICE TRAILER	
QUALITY LEVEL: LSC		PROJECT NO. 020996		COMMUNICATION SYSTEM	
		SPEC CODE		VOICE/DATA FLOOR PLAN	
		FOR REVIEW/APPROVAL SIGNATURES		SIZE CASE CODE INDEX CODE NUMBER	
		SEE DAR NO. 89807		D 01MF3 200 1689 06 090	
		EFFECTIVE DATE: 3/11/2002		DWG-520160	
				SCALE: 1/4"=1'-0"	
				SHEET E-1	

REVISIONS		
REV	DESCRIPTION	EFFECTIVE DATE

CABLE SUPPORT TYP

(2) CAT 5e DATA AND
(1) VOICE CAT 3 CABLE
2'-0" COIL REQUIRED

TO CABLE
TRAY

DOUBLE GANG ELECTRICAL
BOX (4" X 4" X 3 1/2" DEEP)

5'-8"
AFF

VIEW
TYP MOUNTING
SCALE: NONE

A
E-1

GROUND BAR TO BLDG
GND W/#6 AWG

2'-0"
AFF

VIEW
SCALE: 1"=1'-0"

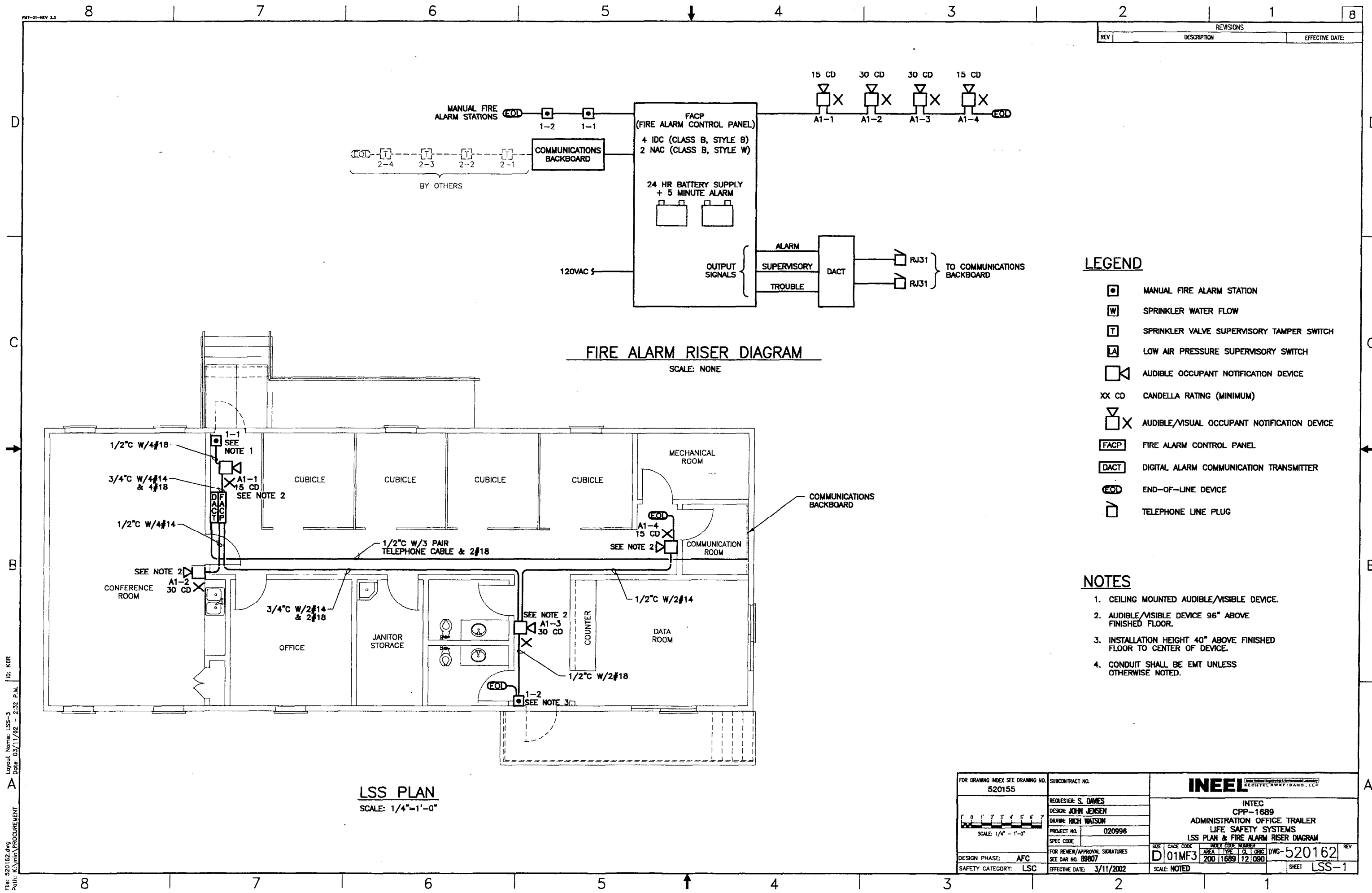
B
E-1

SUSPENDED CEILING

FLEXTRAY CABLE MANAGEMENT
SYSTEM P/N FT2X6X10 OR
APPROVED EQUAL

3/4" PLYWOOD BACKBOARD,
6' 11-7/8" X 4'-0" SHEET.
PAINT W/FIRE RETARDANT PAINT
ONE HOUR FIRE RATING OR EQUAL

FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INEEL <small>Inter National Engineering & Architecture, Ltd.</small>	
REQUESTER: S.A. DAVIES		DESIGNER: T. HIPP		DRAWN: N.L. ROHRBAUGH	
PROJECT NO. 020996		SPEC CODE		FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 89807	
EFFECTIVE DATE: 3/11/2002		SCALE: NOTED		DWG-520161 SHEET E-2	
DESIGN PHASE: AFC		SAFETY CATEGORY: LSC		REV	



REVISIONS		
REV	DESCRIPTION	EFFECTIVE DATE

LEGEND

- MANUAL FIRE ALARM STATION
- SPRINKLER WATER FLOW
- SPRINKLER VALVE SUPERVISORY TAMPER SWITCH
- LOW AIR PRESSURE SUPERVISORY SWITCH
- AUDIBLE OCCUPANT NOTIFICATION DEVICE
- XX CD CANDELLA RATING (MINIMUM)
- AUDIBLE/VISUAL OCCUPANT NOTIFICATION DEVICE
- FACP FIRE ALARM CONTROL PANEL
- DACT DIGITAL ALARM COMMUNICATION TRANSMITTER
- EOL END-OF-LINE DEVICE
- TELEPHONE LINE PLUG

NOTES

- 1. CEILING MOUNTED AUDIBLE/VISIBLE DEVICE.
- 2. AUDIBLE/VISIBLE DEVICE 96" ABOVE FINISHED FLOOR.
- 3. INSTALLATION HEIGHT 40" ABOVE FINISHED FLOOR TO CENTER OF DEVICE.
- 4. CONDUIT SHALL BE EMT UNLESS OTHERWISE NOTED.

FOR DRAWING INDEX SEE DRAWING NO. 520155		SUBCONTRACT NO.		INEEL	
REQUESTER: S. DAVIES		DESIGN: JOHN JENSEN		INTEC	
DRAWING: RICH WATSON		PROJECT NO. 020996		CPP-1689	
SPEC CODE		FOR REVIEW/APPROVAL SIGNATURES		ADMINISTRATION OFFICE TRAILER	
DESIGN PHASE: AFC		SEE DAR NO. 89807		LIFE SAFETY SYSTEMS	
SAFETY CATEGORY: LSC		EFFECTIVE DATE: 3/11/2002		LSS PLAN & FIRE ALARM RISER DIAGRAM	
SCALE: 1/4" = 1'-0"		SCALE: NOTED		DWG-520162	
SHEET LSS-1		REV		REV	